



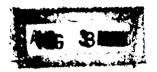
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86-870xxx395 ELLON INSTITUTE OF INDUSTRIAL RESEARCH

UNIVERSITY OF PITTSBURGH

PROGRESS REPORT for the month ended February 29, 1946



Carbide and Carbon Chemicals Corporation	Industrial	Fellowship	No.	274-9
Cubinate under \				

Subjects under) which report is) to be indexed)

CONTAINS NO CBI

Fluorine Compounds

On 12-14-45 three fluorine compounds were received from S. Charleston for evaluation of their toxicity relative to similar chlorine compounds. All are gases at room temperature so vapor inhalation was called for. Due to the limited size of samples now available only single exposures were possible and consequently our comparison refers only to acute toxicity, not chronic. The results of exposing groups of 6 rats to known vapor concentrations are tabulated below, arranged in pairs with chlorine compounds as closely analogous as possible. Results not useful for comparison have been cmitted.

		Ppm.	Time	Mor- tality
-	1, 1, 2-Trichloroethane	500	4 hrs.	1/6
-	1, 1, 2, 2-Tetrachloroethylene	4,000	l hr.	5/6

H. F. Smyth, Jr.

C. P. Carpente:

C. B. Shaffer

C. S. Weil

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industrial Fellow

INDUSTRIAL FELLOW

Typed: March 1, 1946 - met

CERTIFICATE OF AUTHENTICITY

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Place_	Syracuse	New York	
(City)		(State)	

